BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Drains at Kamakshamma Layout in Ward NOo.02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Dalithkumar

Item No.	1								
Item Name:	Removing B.S slab of drain and stacking								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				29-05-2019		31-05-2019			
Covering Slab									
	Railway Station Road from BBMP Office Road								
	RHS		1	0.00	0.75			0.00	
			1	30.00	0.75	0.75		22.50	
			1	2.50	0.75	0.75		1.88	
			1	18.50	0.75	0.75		13.88	
			1	16.70	0.75	0.75		12.53	
	LHS		1	4.10	0.75	0.38		1.54	
			1	9.80	0.75	0.75		7.35	
			1	29.50	0.75	0.75		22.13	
	Cross Road in Kamashamma Layout from Railway Station Road								
	RHS		1	0.00	0.75			0.00	
			1	30.00	0.75	0.75		22.50	
			1	30.00	0.75	0.75		22.50	
			1	30.00	0.75	0.75		22.50	
			1	30.00	0.75	0.75		22.50	
	LHS		1	0.00	0.75			0.00	
			1	30.00	0.75	0.75		22.50	
			1	30.00	0.75	0.75		22.50	
			1	30.00	0.75	0.75		22.50	
			1	30.00	0.75	0.75		22.50	
	5th Cross Road in Kamashamma Layout from Railway Station Road								
	RHS		1	0.00	0.75			0.00	
			1	20.50	0.75	0.75		15.38	
			1	30.00	0.75	0.75		22.50	
			1	28.50	0.75	0.75		21.38	

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Cross Road in Kondappa Layout from Railway Station Road								
	LHS		1	0.00	0.75		0.00	
			1	30.00	0.75	0.75	22.50	
			1	10.00	0.75	0.75	7.50	
	RHS		1	0.00	0.75		0.00	
			1	30.00	0.75	0.75	22.50	
			1	10.00	0.75	0.75	7.50	
	Total Quantity						381.04	Sqm
	Quantity Carried to Summary						381.04	Sqm

Contractor Representative

Asst Engineer
Ward No.02
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Drains at Kamakshamma Layout in Ward NOo.02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Dalithkumar

Item No.	2								
Item Name:	KSRRB 300- Excavation for Road, drains and similar works- KSRRB 300-1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				10-06-2019		12-06-2019			
Desilting of Drain									
Railway Station Road from BBMP Office Road									
	RHS		1	0.00	0.45		0.60	0.00	
			1	30.00	0.45	0.45	0.55	7.43	
			1	2.50	0.45	0.45	0.60	0.68	
			1	18.50	0.45	0.45	0.60	5.00	
			1	16.70	0.45	0.45	0.55	4.13	
	LHS		1	4.10	0.45	0.45	0.55	1.01	
			1	9.80	0.45	0.45	0.60	2.65	
			1	29.50	0.45	0.45	0.60	7.97	
Cross Road in Kamashamma Layout from Railway Station Road									
	RHS		1	0.00	0.45		0.60	0.00	
			1	30.00	0.45	0.45	0.55	7.43	
			1	30.00	0.45	0.45	0.55	7.43	
			1	30.00	0.45	0.45	0.60	8.10	
			1	30.00	0.45	0.45	0.60	8.10	
	LHS		1	0.00	0.45		0.60	0.00	
			1	30.00	0.45	0.45	0.56	7.49	
			1	30.00	0.45	0.45	0.50	6.75	
			1	30.00	0.45	0.45	0.60	8.10	
			1	30.00	0.45	0.45	0.55	7.43	
5th Cross Road in Kamashamma Layout from Railway Station Road									
	RHS		1	0.00	0.45		0.55	0.00	
			1	20.50	0.45	0.45	0.60	5.54	
			1	30.00	0.45	0.45	0.60	8.10	
			1	28.50	0.45	0.45	0.55	7.05	

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Drains at Kamakshamma Layout in Ward NOo.02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Dalithkumar

Item No.	4								
Item Name:	Providing and fixing RCC Precast Slabs of 0.10m thick of CC 1:2:4 with 20mm and down size graded granite metal, machine mixed, includig cost of all material, labour, HOM of machinery curing complete.								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				28-06-2019		01-07-2019			
Covering Slab									
Railway Station Road from BBMP Office Road									
	RHS		1	0.00	0.75			0.00	
			1	30.00	0.75	0.75		22.50	
			1	2.50	0.75	0.75		1.88	
	LHS								
			1	29.50	0.75	0.75		22.13	
Cross Road in Kamashamma Layout from Railway Station Road									
	RHS								
			1	30.00	0.75	0.75		22.50	
Cross Road in Kondappa Layout from Railway Station Road									
	LHS								
			1	10.00	0.75	0.75		7.50	
	Total Quantity							76.50	Sqm
	Quantity Carried to Summary							76.50	Sqm

Dalith Kumar

Contractor Representative

Asst Engineer
Ward No.02
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
16th Cross Road in Kodappa Layout from 15th Cross Road									
	0.00	0.00	1	0.00	5.50		0.20	0.00	
	0.00	27.00	1	27.00	5.00	5.25	0.20	28.35	
	Total Quantity							188.04	Cum
	Quantity Carried to Summary							188.04	Cum

Contractor Representative

Asst Engineer
Ward No.02
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	16th Cross Road in Kodappa Layout from 15th Cross Road								
	0.00	0.00	1	0.00	5.50		0.15	0.00	
	0.00	27.00	1	27.00	5.00	5.25	0.15	21.26	
	Total Quantity							157.30	Cum
	Quantity Carried to Summary							157.30	Cum

Contractor Representative

Asst Engineer
Ward No.02
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Drains at Kamakshamma Layout in Ward NOo.02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Dalithkumar

Item No. 9

Item Name: Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications.

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				23-08-2019		28-08-2019			
Reconstruction of CC Road									
5th Cross Road in Kamashamma Layout from Railway Station Road									
	0.00	0.00	1	0.00	4.20		0.125	0.00	
	0.00	20.50	1	20.50	4.20	4.20	0.125	10.76	
	20.50	50.50	1	30.00	3.70	3.95	0.125	14.81	
	50.50	79.10	1	28.60	3.70	3.70	0.125	13.23	
2nd Cross Road in Kamashamma Layout from Railway Station Road									
	0.00	0.00	1	0.00	5.00		0.125	0.00	
	0.00	30.00	1	30.00	5.10	5.05	0.125	18.94	
	30.00	60.00	1	30.00	5.15	5.13	0.125	19.22	
	60.00	65.00	1	5.00	5.00	5.08	0.125	3.17	
Cross Road in Kodappa Layout from Railway Station Road									
	0.00	0.00	1	0.00	4.90		0.125	0.00	
	0.00	30.00	1	30.00	4.60	4.75	0.125	17.81	
	30.00	55.70	1	25.70	5.00	4.80	0.125	15.42	

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
16th Cross Road in Kodappa Layout from 15th Cross Road									
	0.00	0.00	1	0.00	5.50		0.125	0.00	
	0.00	27.00	1	27.00	5.00	5.25	0.125	17.72	
	Total Quantity							131.08	Cum
	Quantity Carried to Summary							131.08	Cum

Contractor Representative

Asst Engineer
Ward No.02
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Drains at Kamakshamma Layout in Ward NOo.02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Dalithkumar

Item No.	10								
Item Name:	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				23-08-2019		28-08-2019			
Reconstruction of CC Road									
5th Cross Road in Kamashamma Layout from Railway Station Road									
	0.00	0.00	1	0.00	4.20			0.00	
	0.00	20.50	1	20.50	4.20	4.20		86.10	
	20.50	50.50	1	30.00	3.70	3.95		118.50	
	50.50	79.10	1	28.60	3.70	3.70		105.82	
2nd Cross Road in Kamashamma Layout from Railway Station Road									
	0.00	0.00	1	0.00	5.00			0.00	
	0.00	30.00	1	30.00	5.10	5.05		151.50	
	30.00	60.00	1	30.00	5.15	5.13		153.75	
	60.00	65.00	1	5.00	5.00	5.08		25.38	
Cross Road in Kodappa Layout from Railway Station Road									
	0.00	0.00	1	0.00	4.90			0.00	
	0.00	30.00	1	30.00	4.60	4.75		142.50	
	30.00	55.70	1	25.70	5.00	4.80		123.36	

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
16th Cross Road in Kodappa Layout from 15th Cross Road									
	0.00	0.00	1	0.00	5.50				
	0.00	27.00	1	27.00	5.00	5.25		0.00	
								141.75	
	Total Quantity								
	Quantity Carried to Summary							1048.66	Sqm
								1048.66	Sqm

Contractor Representative

Asst Engineer
Ward No.02
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements to Drains at Kamakshamma Layout in Ward NOo.02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. Dalithkumar

Item No.	11								
Item Name:	Providing groove cutting for width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. - for concrete pavement								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				28-08-2019		04-09-2019			
Reconstruction of CC Road									
5th Cross Road in Kamashamma Layout from Railway Station Road									
	0.00	0.00	0		4.20			0.00	
	0.00	20.50	1		4.20	4.20		4.20	
	20.50	50.50	2		3.70	3.95		7.90	
	50.50	79.10	2		3.70	3.70		7.40	
2nd Cross Road in Kamashamma Layout from Railway Station Road									
	0.00	0.00	0		5.00			0.00	
	0.00	30.00	2		5.10	5.05		10.10	
	30.00	60.00	2		5.15	5.13		10.25	
	60.00	65.00	0		5.00	5.08		0.00	
Cross Road in Kodappa Layout from Railway Station Road									
	0.00	0.00	0		4.90			0.00	
	0.00	30.00	2		4.60	4.75		9.50	
	30.00	55.70	3		5.00	4.80		14.40	

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
16th Cross Road in Kodappa Layout from 15th Cross Road									
	0.00	0.00	0		5.50			0.00	
	0.00	27.00	3		5.00	5.25		15.75	
	Total Quantity							79.50	m
	Quanity Limit to							77.00	m
	Quantity Carried to Summary							77.00	m

Contractor Representative

Asst Engineer
Ward No.02
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP